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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,756	08/03/2001	Jason Paul Irwin	9361	5974
26884	7590	07/19/2006	EXAMINER	
PAUL W. MARTIN NCR CORPORATION, LAW DEPT. 1700 S. PATTERSON BLVD. DAYTON, OH 45479-0001			DINH, KHANH Q	
			ART UNIT	PAPER NUMBER
			2151	

DATE MAILED: 07/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/920,756

Applicant(s)

IRWIN ET AL.

Examiner

Khanh Dinh

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 and 17-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 and 17-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/11/2006 has been entered. Claims 12, 13, 15 and 16 are further canceled. Claims 1-11 and 17-23 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 and 17-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Paul, US pat. No.6,687,817 in view of Williams et al, US pat. No.5,945,988.

As to claim 1, Paul discloses a computer-implemented method of configuring a point of sale (POS) terminal to execute a handheld platform operating software comprising the steps of:

reading generic configuration settings from a storage device and storing generic configuration settings in a memory (writing network configuration into a file on the first device such as laptop device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46).

determining if first computer system-specific configuration settings are stored on an attached storage device, if said first computer system-specific configuration settings are stored on said storage device, copying said first computer system-specific configuration settings to said memory (see col.3 line 47 to col.4 line 11);

determining if second computer system-specific configuration settings are stored on network devices accessed through a network; if said second computer system-specific configuration settings are stored on the network device, copying said second computer system-specific configuration settings to said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer

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system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 2, Paul discloses the second computer system specific configuration settings include at least one of first computer system specific configuration settings (see col.6 lines 1-46).

As to claim 3, Paul discloses the configuration settings identify configuration settings to be stored (see col.5 lines 3-67).

As to claim 4, Paul discloses a computer-implemented method of configuring a POS terminal to execute a handheld platform operating software comprising the steps of:

reading generic configuration settings from a storage device and storing generic (writing network configuration into a file on the first device, see fig.3, col.1 lines 40-55 and col.3 lines 19-46).

determining if first computer system-specific configuration settings are stored on an attached storage device (see col.3 line 47 to col.4 line 11);

if said first computer system-specific configuration settings are stored on said storage device, copying said first computer system-specific configuration settings to said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific

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configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 5, Paul discloses a computer implemented method of configuring a POS terminal to execute a handheld platform operating software comprising the steps of:

- reading generic configuration settings from a storage device and storing generic configuration settings in a memory (writing network configuration into a file on the first device such as laptop device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46);

- determining if second computer system-specific configuration settings are stored on a network (see col.3 line 47 to col.4 line 11);

- if said second computer system-specific configuration settings are stored on a

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network, copying said second computer system-specific configuration settings to said memory, setting a boot status setting and rebooting said POS terminal to execute the handheld platform operating software according to computer specific configuration settings stored in said memory (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 6, Paul discloses a computer implemented comprising the steps of:

loading generic configuration settings and method of configuring a computer system loading computer system-specific configuration settings executing handheld platform operating software (writing network configuration into a file on the first device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46); and

rebooting the POS terminal to execute the handheld platform operating software according to the loaded computer computer-specific configuration settings (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 7, Paul discloses system-specific configuration settings are read from a storage device accessed over a network (see col.3 line 47 to col.4 line 11).

As to claim 8, Paul discloses computer system-specific configuration settings are read from a storage device and loading computer system-specific configuration settings from a network device accessed over a network (see fig.4, col.4 lines 12-50).

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As to claim 9, Paul discloses computer system-specific configuration settings from the network (see col.5 lines 3-38).

As to claim 10, Williams discloses configuration settings including at least one of: color depth, peripheral device, delay period, communication port and baud rate settings for the POS terminal (see col.7 line 42 to col.8 line 48). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

Claim 11 is rejected for the same reasons set forth in claim 3.

As to claim 17, Paul discloses a computer-implemented method of storing configuration settings of a POS terminal to executing a handheld platform operating software comprising the steps of:

determining if a storage device is connected to the POS terminal to executing a handheld platform operating software (writing network configuration into a file on the first network device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46);

if the storage device is connected to the computer system, storing computer system-specific configuration settings to the storage device (see col.3 line 47 to col.4 line 11);

determining if the computer system is connected to a network connection having a computer system; and if the network connection having a computer system is connected to the POS terminal, storing computer system-specific configuration settings to the computer system (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 18, Paul discloses a computer implemented method of storing configuration settings of a POS terminal comprising the steps of:

receiving a specified event at the POS terminal and determining if a storage device is connect to the POS terminal (writing network configuration into a file on the first network device, see fig.3, col.1 lines 32-55 and col.3 lines 19-46); and

if the storage device is connected to the POS terminal, storing computer

system-specific configuration settings to the storage device (see col.3 line 47 to col.4 line 11).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 19, Paul discloses specified event includes at least one of expiration of a delay period and computer system shutdown (see col.5 lines 3-67).

As to claim 20, Paul discloses a computer implemented method of storing configuration settings of a POS terminal comprising the steps of:

receiving a specified event at the POS terminal (writing network configuration into a file on the first device, see fig.3, col.1 lines 40-55 and col.3 lines 19-46);

determining if the POS terminal executing handheld platform operating software is connected to a network connection having a computer system (see col.3 line 47 to col.4 line 11); and

if the POS terminal executing a handheld platform operating software is connected to the network connection having a computer system, storing computer system-specific configuration settings to the second computer system (see col.3 line 47 to col.4 line 11).

Paul does not specifically disclose computer system specific configuration settings including at least one of brightness, volume, and energy saving settings. However, Williams discloses computer system specific configuration settings including at least one of brightness, volume, and energy saving settings (configures system configuration settings of system in accordance with the user preference information found in the user profile corresponding to the identified user including volume, see abstract, fig.2, col.5 line 30 to col.6 line 32). It would have been obvious to one of the ordinary skill in the art at the time the invention was made to implement Williams's teachings into the computer system of Paul to update user preference data information because it would have enabled users to monitor and update a wide range of configurable options in a profile database in a communications network.

As to claim 21, Paul discloses that specified event includes at least one of expiration of a delay period and computer system shutdown (see col.5 lines 3-67).

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Claim 22 is rejected for the same reasons set forth in claim 18.

As to claim 23, Paul discloses sequences of instructions which, when executed by said processor, cause said processor to determine if the POS terminal is connected to a network connection having a computer system and if the POS terminal is connected to the network connection having a computer system, store the computer system-specific configuration settings to the computer system (see fig.4, col.4 lines 12-50 and col.5 lines 4-35).

Response to Arguments

4. Applicant's arguments filed on 4/11/2006 have been fully considered but they are not persuasive.

- Applicant asserts that the cited reference does not disclose respecting to handheld operating software.

Examiner respectfully disagrees. In fig.2, Paul discloses the Applicant claimed invention by configuring the new device 250 is to connect a configuration tool 270 such as a laptop computer to the new device 250 using a serial link 280 (see col.1 lines 32-67 and col.3 lines 19-65) as rejected above.

Conclusion

5. Claims 1-11 and 17-23 are rejected.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Dinh whose telephone number is (571) 272-3936. The examiner can normally be reached on Monday through Friday from 8:00 A.m. to 5:00 P.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung, can be reached on (571) 272-3939. The fax phone number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Khanh Dinh
Primary Examiner
Art Unit 2151
7/6/2006